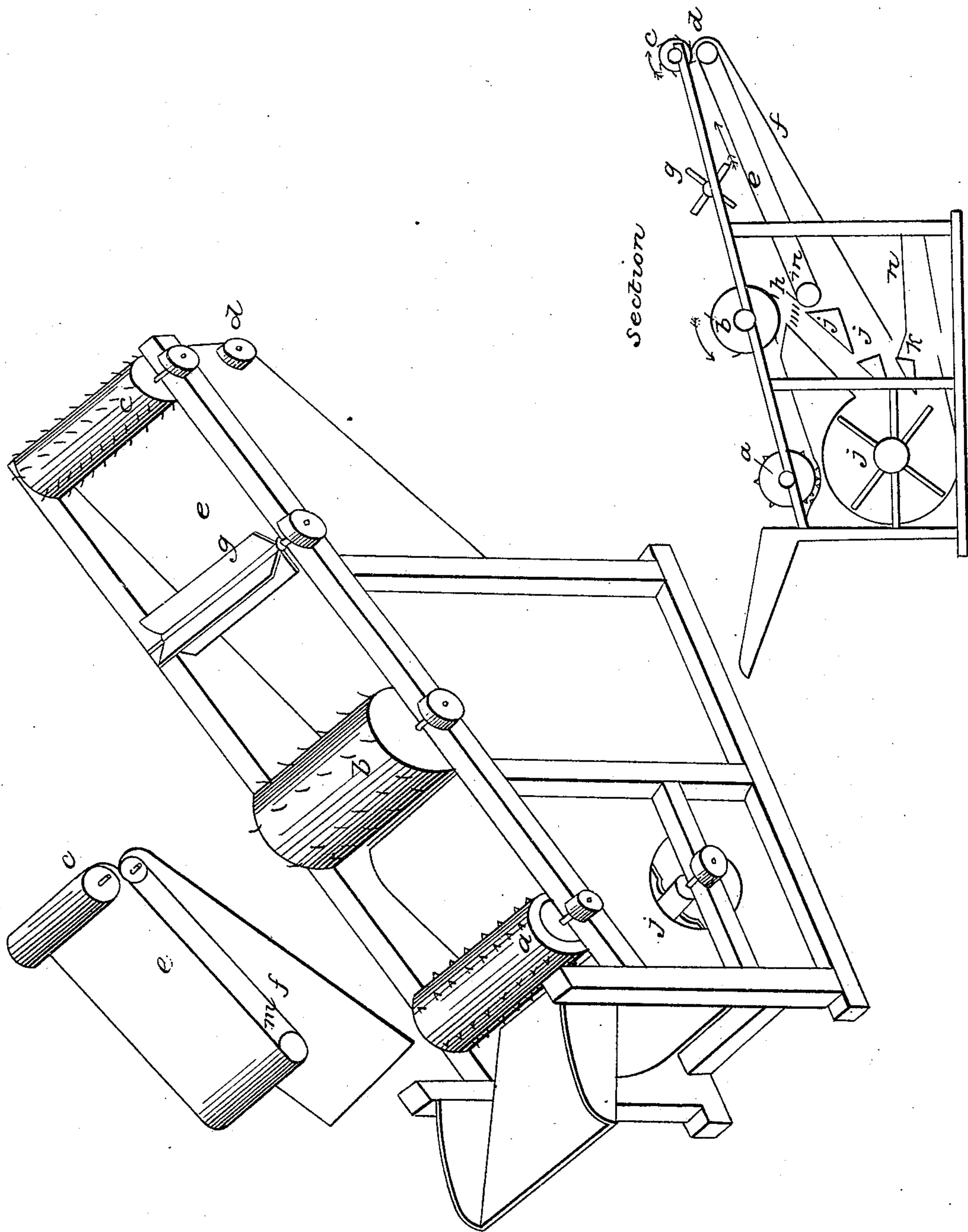


W. WILMINGTON.

Thrashing Machine.

No. 5,595.

Patented May 23, 1848.



UNITED STATES PATENT OFFICE.

WM. WILMINGTON, OF SOUTH BEND, INDIANA.

GRAIN-SEPARATOR.

Specification of Letters Patent No. 5,595, dated May 23, 1848.

To all whom it may concern:

Be it known that I, WILLIAM WILMINGTON, of South Bend, county of St. Joseph, State of Indiana, have invented a new and
5 Improved Mode of Separating Grain from Straw and Chaff; and I do hereby declare the following is a full and exact description.

The nature of my invention consists in so applying a current of air, in unison with a
10 cylinder rake and a revolving apron as to completely effect the separation required.

The grain and straw having passed the thrashing cylinder marked *a*, in the drawings annexed, is thrown to, and caught by
15 the cylinder rake *b*. In passing under this cylinder, most of the grain falls through the grates marked *h*, and is conducted down to the riddle *n* (or hopper) the straw and remaining grain passes on to the revolving
20 apron *e* in passing up which it receives the action of the revolving beater *g*. Having passed to the upper end of the apron *s* it meets a current of air, issuing from between

the upper end of the revolving apron *e* and the cylinder *c*, the chaff and straw being 25 raised by the current of air are taken up by the cylinder rake *c*, and carried over it. The grain which has been brought on to the revolving apron *e* is carried over its upper end where it follows the wind curve of the 30 slide *f* and is conducted down to the riddle *n*.

Having thus described the operation of my machine what I claim as my invention, is—

Having thus described the operation of 35 between the guides *j* and *k* on to the slide *f*, conducting it along the under side of the apron *e*, to the curve in the upper end of the slide *f* following the curve around the pulley *d*, and discharging it directly between 40 the cylinder *c*, and the pulley *d*, upon the upper side of the apron *e*.

WM. WILMINGTON.

Witnesses:

CHAS. M. HEATON,
EZRA G. CARPENTER.